

REMARKS

Upon entry of the present amendment, claims 47, 48, and 50-86 will be pending. Applicants have amended claim 47 to recite a sample comprising a cell from the brain of the subject, a cell from the spinal cord of the subject, or cerebrospinal fluid (CSF), amended claim 48 for clarity, and cancelled claim 49 without prejudice, and added new claim 86. Support for these amendments and new claims can be found throughout the application as filed, e.g., at page 32, lines 21-24, and page 55, line 7, to page 56, line 3, *inter alia*. No new matter has been added.

Response to Restriction Requirement

In response to the restriction requirement made in the action mailed March 30, 2009, Applicants hereby elect identified Group 1 (claims 47-67 and new claim 86) for examination. The election is made without traverse.

In response to the species elections set forth at pages 3-4 of the action, Applicants hereby select:

(a - a single protein from claim 50) - a cytokine; claims 47, 48, 50-67 and 86 are readable thereon.

(b - a single gene product from claim 52) – BMP-15; claims 47, 48, and 50-67 are readable thereon.

Of the genes in newly added claim 86, Applicants select Nmb; claims 47, 48, 50, 51, 53-67 and 86 are readable thereon.

(c - a single type of brain cells from claim 54) - cells from the hypothalamus; claims 47, 48, 50-67 and 86 are readable thereon.

(d - a single non-CNS disorder from claim 57) –cancer; claims 47, 48, 50-67 and 86 are readable thereon.

and

(e - a single carrier gene associated with a disorder from claim 67) – BRCA1; claims 47, 48, 50-67 and 86 are readable thereon.

Applicant : Osvaldo L. Podhajcer et al.
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If the Examiner has any questions, he is invited to telephone the undersigned at (617) 956-5985.

Please apply any charges or credits to Deposit Account No. 06-1050, referencing Attorney Docket No. 15138-0003US1.

Respectfully submitted,

Date:

Aug 28, 2008

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